## RAYMARK OU1 ADMINISTRATIVE RECORD FILE \* \*\* INDEX OF DOCUMENTS

## III. REMEDIAL RESPONSE PLANNING

- 1. Report: Interim Final Report, Comparative Potency
  Approach for Estimating the Cancer Risk Associated with
  Exposure to Mixtures of Polycyclic Aromatic
  Hydrocarbons, prepared by ICF Clement Associates,
  4/1/88. P. 300001-300002.
- 2. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Bradford F. Whitman, Dechert, Price & Rhoads, re: Comments on soil gas report, 6/20/90. P. 300003-300003.
- 3. Telephone record log of Ms. Jean Cooper, U.S. EPA, with Mr. David Mack, SMO, re: Soil samples, 6/29/90. P. 300004-300004.
- 4. Memorandum to file from Ms. Laura Gavin, CH2M Hill, re: Addition to chain of custody, 6/29/90. P. 300005-300005.
- 5. Report: Final Technical Memorandum for Soil Gas Survey Results, Raymark Site, Remedial Investigation and Feasibility Study, prepared by CH2M Hill, 7/90.
  P. 300006-300051.
- 6. Telephone record log of Mr. Lee H. [Haynes], Silver Valley Labs., Inc., with Sarah, U.S. EPA, re: Problems with shipment of samples, 7/2/90. P. 300052-300052.
- 7. Telephone record log of Mr. Lee Haynes, Silver Valley Labs., Inc., with Dave, U.S. EPA, re: Shipment of samples, 7/3/90. P. 300053-300053.
- 8. Telephone record log of Ms. Annette Lage, U.S. EPA,
- \* Administrative Record File available 7/18/91, updated 10/6/91, 1/20/92, and 10/16/98.
- Further information pertaining to Raymark OU1 can be found in the Raymark OU2 Administrative Record File.

- with Ms. Vivian Suchise, Columbia Analytical Services, re: Shipment of samples, 7/3/90. P. 300054-300054.
- 9. Memorandum to QAO [Quality Assurance Officer], AOB, from Ms. Patricia J. Krantz, U.S. EPA, re: Organic data validation, 7/3/90. P. 300055-300169.
- 10. Letter to Ms. Colleen K. Walling, U.S. EPA, from Ms. Laura J. Gavin, CH2M Hill, re: Shipping logs of samples for the Raymark Site, 7/9/90. P. 300170-300176.
- 11. Letter to Mr. Mike Towle, U.S. EPA, from Mr. Joseph G. Cleary, CH2M Hill, re: SVE pilot study information, 8/7/90. P. 300177-300179.
- 12. Memorandum to Mr. Mike Towle, U.S. EPA, from Mr. Daniel K. Donnelly [sic], U.S. EPA, re: Volatile organics analysis, 8/17/90. P. 300180-300209.
- 13. Memorandum to Quality Assurance Officer, U.S. EPA, from Ms. Patricia J. Krantz, U.S. EPA, re: Inorganic data validation review, 9/12/90. P. 300210-300230.
- 14. Telephone record log of Ms. Colleen K. Walling, U.S. EPA, with Vicki Denslow, SMO, re: Volatile organic compound analysis, 9/26/90. P. 300231-300231.
- 15. Letter to Ms. Colleen K. Walling, U.S. EPA, from Ms. Laura J. Gavin, CH2M Hill, re: Shipping logs of samples for the Raymark Site, 9/27/90. P. 300232-300238.
- 16. Memorandum to Mr. Mike Towle, U.S. EPA, from Mr. Joseph L. Slayton, U.S. EPA, re: Analytical reports of Raymark Hatboro, 10/9/90. P. 300239-300247.
- 17. Memorandum to Quality Assurance Officer, U.S. EPA, from Ms. Patricia J. Krantz, U.S. EPA, re: Organic data validation for Raymark samples, 10/17/90. P. 300248-300407.
- 18. Memorandum to file from Ms. Laura Gavin, CH2M Hill, re: Error on paperwork for sampling data, 10/24/90. P. 300408-300408.
- 19. Letter to Ms. Ana B. Martin, CH2M Hill, from Mr. Robert L. Wallace and Mr. R. Michael Peterson, Terra Vac, re:

- Vacuum extraction well test, 11/12/90. P. 300409-300411.
- 20. Memorandum to Raymark file from Mr. Michael Towle, U.S. EPA, re: Identification of wetlands near Raymark, 11/19/90. P. 300412-300412.
- 21. Memorandum to Quality Assurance Officer, U.S. EPA, from Ms. Patricia J. Krantz, U.S. EPA, re: Inorganic data validation, 11/23/90. P. 300413-300459.
- 22. Memorandum to Quality Assurance Officer, U.S. EPA, from Ms. Patricia J. Krantz, U.S. EPA, re: Total organic carbon data validation, 11/27/90. P. 300460-300519.
- 23. Memorandum to Quality Assurance Officer, U.S. EPA, from Ms. Patricia J. Krantz, U.S. EPA, re: Organic data validation, 11/27/90. P. 300520-300611.
- 24. Memorandum to file from Mr. Michael Towle, U.S. EPA, re: Disposal of drill cuttings, 12/20/90. P. 300612-300612.
- 25. Letter to Mr. Robert Dagostaro, CH2M Hill, from Mr. Kenneth Kryszczun, U.S. EPA, re: Signing of hazardous waste manifests and preparation of land ban records, 12/21/90. P. 300613-300613.
- 26. Letter to Ms. Christina Ibaugh, Pennsylvania Department of Environmental Resources (PADER), from Mr. Michael Towle, U.S. EPA, re: Notification of regulated waste activity, 1/7/91. P. 300614-300616.
- 27. Memorandum to Quality Assurance Officer, U.S. EPA, from Ms. Patricia J. Krantz, U.S. EPA, re: Geophysical and geochemical data validation, 1/7/91. P. 300617-300660.
- 28. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Joseph C. Cleary, CH2M Hill, re: Risk assessment for soil and soil leaching model, 1/28/91. P. 300661-300664.
- 29. Letter to Ms. Christina Ibaugh, PADER, from Mr. Michael Towle, U.S. EPA, re: Request for extension of expiration date for temporary generator, 1/28/91. P. 300665-300665.
- 30. Letter to Mr. Michael Towle, U.S. EPA, from Ms. Kathy A. McKenna, PADER, re: Pennsylvania Natural Diversity Inventory (PNDI) review of Raymark, 2/4/91. P. 300666-

300668.

- 31. Letter to Mr. David Wilson, South Carolina Department of Health and Environmental Control, from Mr. Abraham Verdas, U.S. EPA, re: Planned shipment of waste, 2/27/91. P. 300669-300669.
- 32. Memorandum to Mr. Thomas Hartnett, PADER, and Mr. Bruce Rundell, U.S. EPA, from Mr. Michael Towle, U.S. EPA, re: Draft remedial investigation report, 2/28/91. P. 300670-300670.
- 33. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Thomas R. Hartnett, PADER, re: Review of draft soil remedial investigation report, 3/11/91. P. 300671-300673.
- 34. Report: Report on Vacuum Extraction Treatability
  Study, Raymark Superfund Site, Hatboro, Pennsylvania,
  prepared by Terra Vac, 3/15/91. P. 300674-300816.
- 35. Letter to Mr. Thomas Hartnett, PADER, from Mr. Michael Towle, U.S. EPA, re: Request for site-specific Applicable or Relevant and Appropriate Requirements (ARARs), 3/19/90. P. 300817-300817.
- 36. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Joseph G. Cleary, CH2M Hill, re: Preliminary surface and subsurface soil cleanup levels, 3/26/91. P. 300818-300828. Two memoranda are attached.
- 37. Memorandum to Mr. Robert Davis, U.S. EPA, and Mr. Thomas Hartnett, PADER, from Mr. Michael Towle, U.S. EPA, re: Draft environmental risk assessment report, 4/24/91. P. 300829-300829.
- 38. Memorandum to Ms. Debra Forman, U.S. EPA, and Mr. Thomas Hartnett, PADER, from Mr. Michael Towle, U.S. EPA, re: Draft human health risk assessment report, 4/24/91. P. 300830-300830.
- 39. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Thomas R. Hartnett, PADER, re: Comments on the preliminary soil cleanup levels memoranda, 4/26/91. P. 300831-300832.
- 40. Letter to Mr. Joseph Cleary, CH2M Hill, from Mr. Michael Towle, U.S. EPA, re: Draft remedial investigation report, 4/30/91. P. 300833-300842. The comments are attached.

- 41. Letter to Mr. Thomas Hartnett, PADER, from Mr. Michael Towle, U.S. EPA, re: Draft feasibility study, 5/3/91. P. 300843-300844. Copies of Federal Express receipts are attached.
- 42. Letter to Mr. Thomas Hartnett, PADER, from Mr. Michael Towle, U.S. EPA, re: Request for action-specific ARARs, 5/3/91. P. 300845-300845.
- 43. Letter to Mr. Thomas Hartnett, PADER, from Mr. Michael Towle, U.S. EPA, re: Comments on the ARARs, 5/6/91. P. 300846-300846.
- 44. Letter to Mr. Joseph Cleary, CH2M Hill, from Mr. Michael Towle, U.S. EPA, re: Comments on the draft environmental assessment report, 5/14/91.
  P. 300847-300920. The following are attached:
  - a) a letter regarding PNDI review of Raymark;
  - b) a 1980 Census of Population;
  - c) a Comprehensive Plan, Hatboro Borough, 9/72;
  - d) a PNDI Species List;
  - e) a memorandum regarding wetlands surrounding Raymark;
  - f) a letter regarding endangered species;
  - g) a letter regarding historic and archaeological properties;
  - h) a letter regarding endangered or threatened
     species;
  - i) another letter regarding endangered species;
  - j) a pamphlet entitled "Endangered & Threatened Species of Pennsylvania."
- 45. Letter to Mr. Mr. Michael Towle, U.S. EPA, from Mr. Thomas R. Hartnett, PADER, re: Chemical and location specific ARARs, 5/21/91. P. 300921-300922.
- 46. Letter to Mr. Joseph Cleary, CH2M Hill, from Mr. Michael Towle, U.S. EPA, re: Draft feasibility study

- report, 5/23/91. P. 300923-300927.
- 47. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Thomas R. Hartnett, PADER, re: Comments on the draft focused feasibility study for soils and unsaturated bedrock, 5/23/91. P. 300928-300929.
- 48. Facsimile form to Mr. Mike Towle, U.S. EPA, from Mr. Joe Cleary, CH2M Hill, re: Transmittal of sample results, 5/23/91. P. 300930-300939.
- 49. Letter to Mr. Joseph Cleary, CH2M Hill, from Mr. Michael Towle, U.S. EPA, re: Preliminary soil cleanup levels, 5/23/91. P. 300940-300941.
- 50. Letter to Mr. Joseph Cleary, CH2M Hill, from Mr. Michael Towle, U.S. EPA, re: Additional comments on feasibility study, 5/24/91. P. 300942-300943.
- 51. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Thomas R. Hartnett, PADER, re: Comments on the environmental and risk assessments, 5/30/91. P. 300944-300946.
- 52. Facsimile form to Mr. Michael Towle, U.S. EPA, from Ms. Guliane Hess, CH2M Hill, re: Revision to detailed alternative components, 6/4/91. P.300947-300949.
- 53. Letter to Mr. Joseph Cleary, CH2M Hill, from Mr. Michael Towle, U.S. EPA, re: Draft environment assessment, 6/5/91. P. 300950-300950.
- 54. Letter to Mr. Joseph Cleary, CH2M Hill, from Mr. Michael Towle, U.S. EPA, re: Draft risk assessment report, 6/17/91. P. 300951-300953.
- 55. Letter to Mr. Joseph Cleary, CH2M Hill, from Mr. Michael Towle, U.S. EPA, re: Draft feasibility study, 6/17/91. P. 300954-300956.
- 56. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Thomas R. Hartnett, PADER, re: Action-specific ARARs from the draft Proposed Plan, 6/20/91. P. 300957-300960. A letter is attached.
- 57. Table C-1, Preliminary Clean-Up Levels for Noncarcinogens in Surface Soil Based on Ingestion

- Exposure, 3/15/91. P. 300961-300963. Tables C-2 and C-3 are attached.
- 58. Memorandum to Distribution from Mr. Michael Towle, U.S. EPA, re: Transmittal of the draft proposed plan, 6/10/91. P. 300964-300966. A Federal Express receipt is attached.
- 59. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Thomas R. Hartnett, PADER, re: Comments on the proposed plan, 6/26/91. P. 300967-300968.
- 60. Results of Sensitivity Analysis for the Final Risk Assessment for Contaminated Soils Operable Unit No. 1, 6/26/91. P. 300969-301055. A transmittal memorandum is attached.
- 61. Report: Raymark Site RI/FS Environmental Risk

  Assessment, prepared by CH2M Hill, 7/91. P. 301056-301098.
- 62. Report: Raymark Site RI/FS Final Soil/Source Area Remedial Investigation Report, prepared by CH2M Hill, 7/91. P. 301099-301340.
- 63. Report: Raymark Site RI/FS Final Risk Assessment for Contaminated Soils, prepared by CH2M Hill, 7/91. P. 301341-301557.
- 64. Report: Raymark Site RI/FS Final Focused Feasibility Study for Soils and Unsaturated Bedrock Operable Unit No. 1, prepared by CH2M Hill, 7/91. P. 301558-301875.
- 65. Letter to Mr. Thomas Hartnett, PADER, from Mr. Michael Towle, U.S. EPA, re: Reevaluation of the risk assessment, 7/3/91. P. 301876-301878.
- 66. Memorandum to Distribution from Mr. Michael Towle, U.S. EPA, re: Transmittal of the proposed plan, 7/8/91. P. 301879-301879.
- 67. Proposed Plan, Raymark Superfund Site, Operable Unit #1, Montgomery County, Pennsylvania, (undated). P. 301880-301905.
- 68. Addendum, Proposed Plan, Raymark Superfund Site, Operable Unit #1, Montgomery County, Pennsylvania, 10/6/91. P. 301906-301909.

- 69. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Bradford F. Whitman, Reed, Smith, Shaw, and McClay, re: Comments from Penn Fasteners and Richard Walker to the proposed remedial action, 8/7/91. P. 301910-301920. A transmittal letter and soil sampling data are attached.
- 70. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Brendan K. Collins, Ballard, Spahr, Andrews, and Ingersoll, re: Comments on Proposed Plan, 8/19/91. P. 301921-301927.
- 71. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Brendan K. Collins, Ballard, Spahr, Andrews, and Ingersoll, re; Comments on Proposed Plan, 11/6/91. P. 301928-301934.
- 72. Record of Decision, Raymark Site Operable Unit #1, 12/30/91. P. 301935-302093.
- 73. Five-Year Review Report, Raymark Superfund Site, Hatboro, Pennsylvania, 9/30/98. P. 302094-302098.

## V. COMMUNITY INVOLVEMENT/CONGRESSIONAL CORRESPONDENCE/IMAGERY

1. Transcript of public meeting, Raymark Superfund Site, 8/8/91. P. 500001-500087.

## BIBLIOGRAPHY OF SITE SPECIFIC DOCUMENTS

- 1. <u>Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA</u>, prepared by OSWER/OERR, October 1, 1988.
  OSWER #9355.3-01
- 2. Remedial Response at Hazardous Waste Sites: Summary Report, prepared by ORD/MERL, March 1, 1984. EPA-540/2-84/002a
- 3. Revised Procedures for Implementing Off-Site Response
  Actions, prepared by J.W. Porter, OSWER, November 13,
  1987.
  OSWER #9834.11
- 4. <u>RI/FS Improvements Follow-up</u>, prepared by H.L. Longest, OERR, April 25, 1988. OSWER #9355.3-05
  - Attachments: 1. RI/FS Improvements Follow-Up
    - 2. Remedial Information Transfer Activities.
- 5. <u>Superfund Federal-Lead Remedial Project Management Handbook</u>, prepared by OERR, December 1, 1986. OSWER #9355.1-1
- 6. <u>Superfund Remedial Design and Remedial Action Guidance</u>, prepared by OERR, June 1, 1986.

  OSWER #9355.0-4A
- 7. <u>A Compendium of Superfund Field Operations Methods</u>, prepared by OERR and OWPE, December 1, 1987.

  OSWER #9355.0-14
- 8. <u>Data Quality Objectives for Remedial Response</u>
  <u>Activities: Development Process</u>, prepared by CDM
  Federal Programs Corp. and OERR/OWPE, March 1, 1987.
  OSWER #9355.0-7B
- 9. <u>Data Quality Objectives for Remedial Response</u>
  <u>Activities: Example Scenario: Remedial</u>
  <u>Investigation/Feasibility Study Activities at a Site</u>
  <u>with Contaminated Soils and Groundwater</u>, prepared by CDM Federal Programs Corp. and OERR/OWPE, March 6, 1987.

  OSWER #9355.0-7B
- 10. Field Screening Methods Catalog: User's Guide,

- prepared by OERR/HSED, September 1, 1988. EPA-540-2-88/005
- 11. <u>Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses</u>, prepared by EPA Data Review Work Group, R. Bleyler, Viar and Co./Sample Mgmt. Office, and HSED, July 1, 1988.
- 12. <u>Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses</u>, prepared by R. Bleyler Viar and Co. Sample Management Office, EPA Data Review Workgroup, and HSED, February 1, 1988.
- 13. <u>User's Guide to the Contract Laboratory Program</u>, prepared by OERR/CLP Sample Management Office, December 1, 1988.

  OSWER #9240.0-1
- 14. <u>Land Disposal Restrictions</u>, prepared by H.L. Longest, OERR and G. Lucero, OWPE, August 11, 1987. Attachments: 1. Summary of Major LDR Provisions & California List Prohibitions
  - 2. Other attachments cited are available in the Federal Register.
- 15. <u>A Compendium of Technologies Used in the Treatment of Hazardous Wastes</u>, prepared by ORD/CERI, September 1, 1987. EPA-625/8-87/014
- 16. <u>Guidance Document for Clean-up of Surface Impoundment Sites</u>, prepared by CDM/Woodward-Clyde/Roy F. Weston/C.C. Johnson and E. Barth and B. Bixler, OERR, May 28,1985.

  OSWER # 9380.0-3
- 17. <u>Leachate Plume Management</u>, prepared by E. Repa and C. Kufs, JRB Associates and N. Barkley, EPA, November 1, 1985. EPA-540/2-85/004
- 18. Mobile Treatment Technologies for Superfund Wastes, prepared by Camp, Dresser, and McKee, Inc. and L.D. Galer, HRSD, September 1, 1986. EPA-540/2-86-003(F)
- 19. <u>Technology Screening Guide for Treatment of CERCLA</u>
  <u>Soils and Sludges</u>, prepared by OSWER/OERR, September 1,

1988. EPA-540/2-88/004

- 20. <u>Treatment Technology Briefs: Alternatives to Hazardous Waste Landfills</u>, prepared by HWERL, July 1, 1986. EPA-600/8-86/017
- 21. <u>Ground-Water Protection Strategy</u>, prepared by the Office of Ground-Water Protection, August 1, 1984. EPA-440/6-84-002
- 22. <u>Guidelines for Ground-Water Classification Under the EPA Ground-Water Protection Strategy</u>, prepared by the Office of Ground-Water Protection, December 1, 1986.
- 23. CERCLA Compliance with Other Environmental Statutes, prepared by J.W. Porter, OSWER, October 2, 1985.

  OSWER #9234.0-2

  Attachments: Potentially Applicable or Relevant and Appropriate Requirements
- 24. <u>CERCLA Compliance with Other Laws Manual Draft</u>
  <u>Guidance</u>, prepared by OERR, August 8, 1988.

  OSWER #9234.1-01
- 25. Interim Final Guidance on Removal Action Levels at Contaminated Drinking Water Sites, prepared by OSWER/OERR/ERD, October 6, 1987.

  OSWER #9360.1-01
- 26. <u>Quality Criteria for Water 1986</u>, prepared by Office of Water Regulations and Standards, May 1, 1987. EPA-440/5-86-001
- 27. <u>Chemical, Physical, & Biological Properties of Compounds Present at Hazardous Waste Sites</u>, prepared by Clement Associates, Inc., September 27, 1985.

  OSWER #9850.3
- 28. <u>Health Assessment Documents</u>, Volume 28: Cadmium, 1,2-Dichloroethylene; Volume 29: 1,1-Dichloroethylene, 1,2-Dichloroethylene; Volume 30: Polycyclic Aromatic Hydrocarbons (PAHs), Trichloroethylene, prepared by ORD/OHEA/ECAO and OSWER/OERR, September 1, 1984. EPA-540/1-86/001-058
- 29. <u>Superfund Exposure Assessment Manual</u>, prepared by OERR, April 1, 1988.

  OSWER # 9285.5-1

- 30. <u>Superfund Public Health Evaluation Manual</u>, prepared by OERR and OSWER, October 1, 1986. OSWER #9285.4-1
- 31. <u>Risk Assessment Guidance in Superfund</u>, Volume 1. EPA-540/1-89/002
- 32. <u>Risk Assessment Guidance in Superfund</u>, Volume 2. EPA-540/1-89/001A
- 33. Community Relations in Superfund: A Handbook (Interim Version), prepared by OERR, June 1, 1988.

  OSWER #9230.0-03B

  Attachment: Chapter 6 of the Community Relations

  Handbook, 11/3/88
- 34. <u>Interim Guidance on Superfund Selection of Remedy</u>, prepared by J.W. Porter, OSWER, December 24, 1986. OSWER #9355.0-19